

**M 5.9, 66 km NE of Finschhafen, Papua New Guinea**

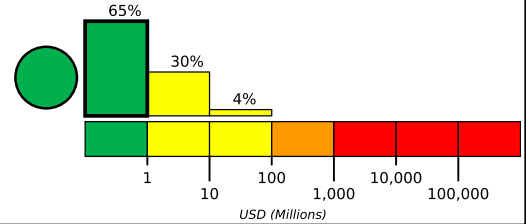
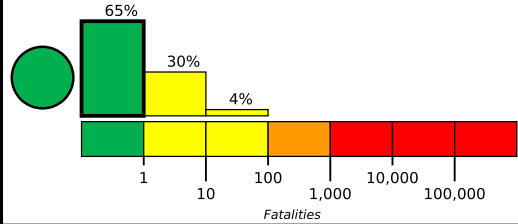
Origin Time: 2023-11-14 12:52:25 UTC (Tue 22:52:25 local)  
Location: 6.0627° S 148.1853° E Depth: 58.0 km

Created: 1 week, 0 days after earthquake

**Estimated Fatalities**

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

**Estimated Economic Losses**

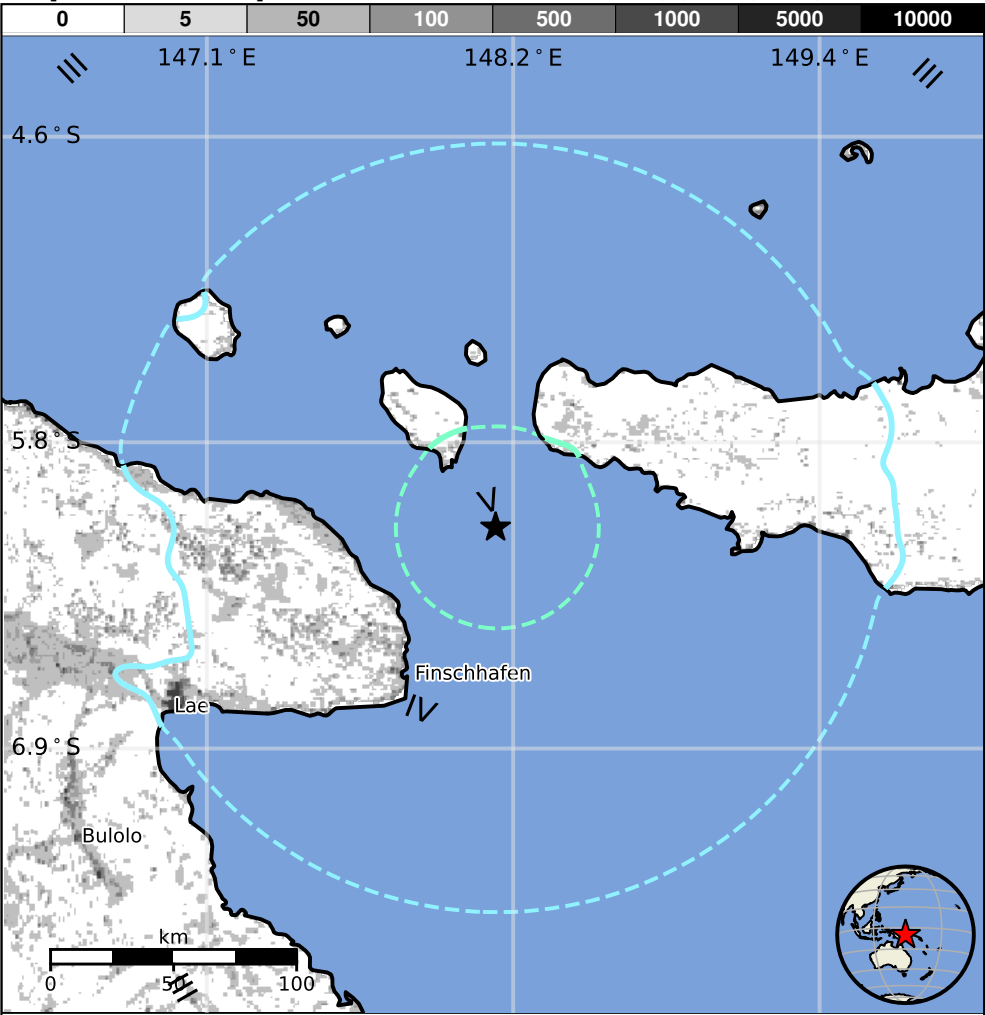


**Estimated Population Exposed to Earthquake Shaking**

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	273k*	406k	8k	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

\*Estimated exposure only includes population within the map area.

**Population Exposure**



**Structures**

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are informal (metal, timber, GI etc.) and unreinforced brick masonry construction.

**Historical Earthquakes**

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1985-05-10	322	7.2	VII(28k)	1
2005-06-04	152	6.1	VII(27k)	1
1993-10-16	211	6.3	VII(75k)	3

Recent earthquakes in this area have caused secondary hazards such as landslides and liquefaction that might have contributed to losses.

**Selected City Exposure**

from GeoNames.org

MMI	City	Population
IV	Kandrian	1k
IV	<b>Finschhafen</b>	<b>1k</b>
III	Wau	15k
III	<b>Bulolo</b>	<b>16k</b>
IV	<b>Lae</b>	<b>76k</b>

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.  
<https://earthquake.usgs.gov/earthquakes/eventpage/usd00103z8#pager>

bold cities appear on map.

(k = x1000)

Event ID: usd00103z8